2 Converting Power Supply Unit, Type 8601619, into Power Supply Unit, Type 8601765

2.1 General

The new power supply unit has no built-in batteries. The batteries (8601764, set of 2) are now located on a separate mount on Julian's housing. The mains cable is connected to the power supply unit with an inlet connector for non-heating devices.

These instructions describe how to convert an old type of power supply unit into a new one.

2.2 Conversion Procedure

Tools and material required:

1x drill bit (4.2 mm)
2x Phillips screws (M4x12, DIN 7985-A2, 1341790)
(ceiling-mounted unit, cap screw M4x30, 1328816)
2x nuts (M4, DIN 985-A4,1336002)
2x washers (4.3 DIN 9021-A4, 1331914)
2x cable ties (8300358)

- Switch Julian OFF.

Hazardous voltage.
Touching live parts may cause severe injury or death.
Disconnect power cord from AC outlet before opening device.

Electrostatic discharge may damage electrostatic sensitive devices.
Use a static-dissipative mat and a wrist strap when handling when handling electrostatic sensitive devices.

- Remove the rear panel.
- First remove the cable connection between the power supply unit and the DC/DC converter at the power supply unit.
- Applies to version "Ver02" or earlier:
  Remove the power cable at the power supply unit.
- Applies to version "Ver02" or earlier:
  Mount the provided inlet connector for non-heating devices onto the power cable.
  Replace the cable connector sleeves.
- Remove the old power supply unit and mount the new one.

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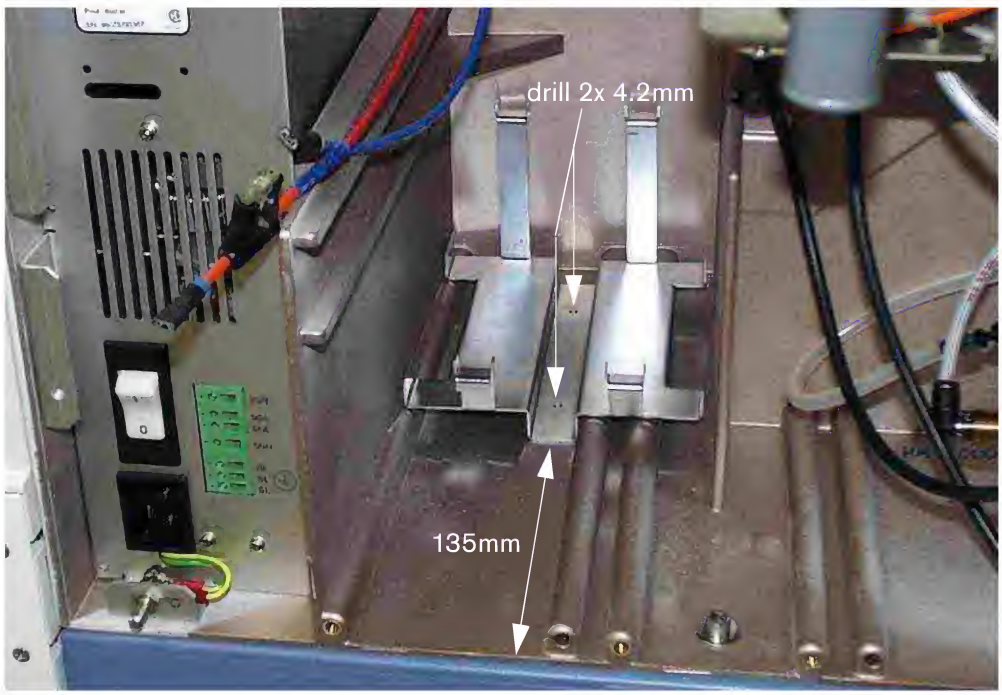

Fig. 2: Location of the battery mount

- Mount the battery mount, the batteries, and the retaining rubber bands.

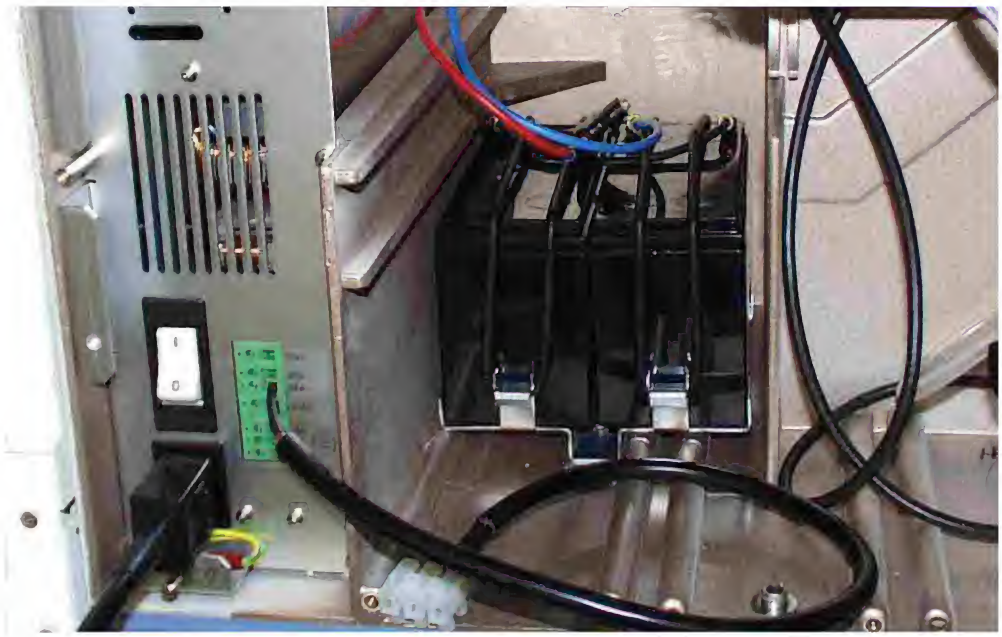

Fig. 3: Mounted batteries with retaining rubber bands

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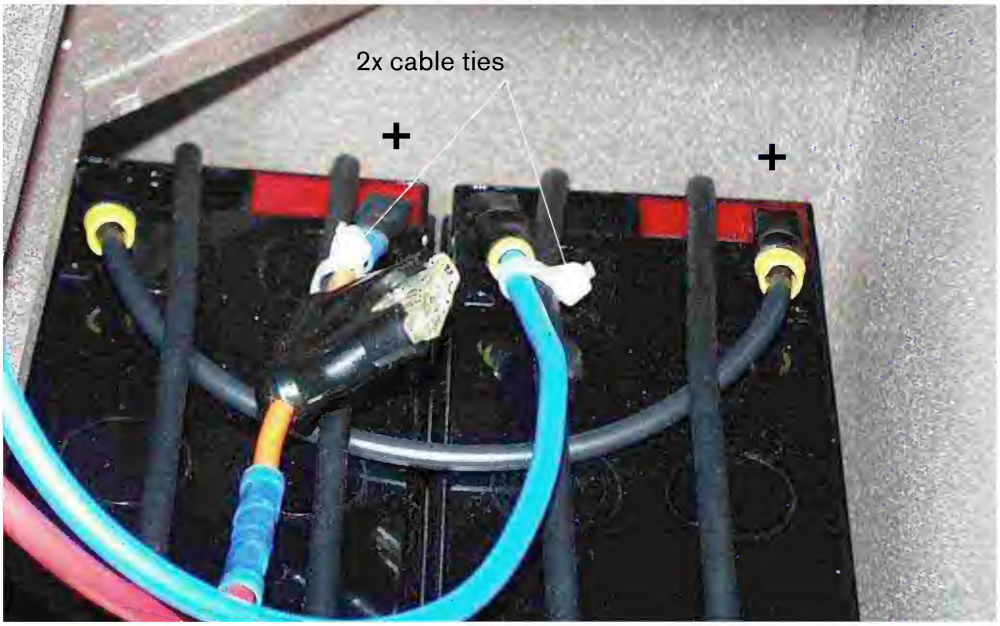

Fig. 4: Connecting connection cables and fastening with cable ties

A reversed polarity of battery supply conductors will damage batteries and power supply unit.

- When connecting the battery supply conductors, make sure the polarity is correct (see Fig. 4:).
  Fasten battery supply conductors using cable ties.
- Power Julian from AC outlet, switch Julian ON, and simulate a mains power failure.

Insufficient voltage. The new batteries are not charged sufficiently. Leave Julian connected to AC outlet for at least 10 hours (Julian does not need to be switched ON).

- Perform a VDE test and submit uninterruptible power system (UPS) to a function test according to the Test Certificate.

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